

CLAIMS

1. A polymer membrane for the separation of components of natural gas, that comprises an asymmetric hollow fibre of polyethersulphone for the purposes of pervaporation, treated with mixtures of liquids (C₂H₅OH - X), in which X = toluene, acetone, dimethylformamide, with a content of X=7-12% (by volume) in the mixture, subsequently treated with a solution at 2.5% (by volume) of urethanosiloxane in isopropyl alcohol.

2. A polymer membrane, according to claim 1, characterised in that a hollow fibre membrane of polyethersulphone is used, modified with a gaseous mixture [(F₂ - HF) : inert gas] with content of (F₂ - HF) in the range 0-90% (by volume), and concentration of HF in fluorine of 4-6% (by volume).